What is claimed is:

(9) CLAIMS

1.   A tool for navigating an organizational structure having a plurality choices therein, including a plurality of next available choices, the tool comprising:

5   computer code means for receiving information related to a navigation goal wherein the goal is potentially related to at least one of the choices;

          computer code means for classifying said information with respect to said structure and for providing a recommendation as to at least one of said choices more likely to lead towards said goal; and

10   computer code means for providing feedback indicative of said recommendation.

2.   The tool as set forth in claim 1 further comprising:

          computer code means for accessing at least one organizational structure of a plurality of available organization structures associated with said navigation goal.

15   3. The tool as set forth in claim 1 wherein the structure is a hierarchy.

4. The tool as set forth in claim 3 wherein said navigating is implemented as a search descending level-by-level through levels of the hierarchy.

5. The tool as set forth in claim 1 wherein said feedback is iterative, refining currently available choices in each iteration.

6. The tool as set forth in claim 1 comprising:

said computer code means for classifying is at least one classifier program related to a subset of choices of said plurality of choices.

7. The tool as set forth in claim 1, the computer code means for providing feedback indicative of said recommendation further comprising:

computer code means for recommending likely choices of said plurality of choices that are not said next available choices and for providing feedback indicative of likelihood of at least one suitable one of said likely choices as said goal.

8. The tool as set forth in claim 1 comprising:

computer code means for storing historical usage data, for learning from said historical usage data, and for improving said computer code means for classifying from said learning.

9. The tool as set forth in claim 1 wherein said computer code means for providing feedback indicative of said recommendation probabilistically facilitates navigation through the structure towards said navigation goal.

10. A computerized tool for assisting a user with navigating a large hierarchy structure, having a large plurality of nodes, via classification subprocesses, the tool comprising:

computer code for relating information indicative of a goal node to at least first level nodes of the hierarchy structure;

computer code for classifying said information and predicting at least one option most likely to advance navigation to a predicted goal node of said hierarchy structure;

computer code for highlighting said at least one option to said user;

computer code for receiving feedback from said user related to a current choice with respect to said at least one option; and

computer code for iteratively providing suggestions including at least one refined suggestion based on reclassifying said information each a current choice among said suggestions.

11. The tool as set forth in claim 10, said code for iteratively providing suggestions further comprising:

computer code for determining if said current choice is indicative of said goal node;

computer code for displaying to said user whether said current choice is said goal node; and

computer code for directing said user to said goal node if said choice is correct or otherwise for iteratively providing at least one refined option choice to

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said user based on reclassifying said information with a said current choice until said goal node is reached.

12. The tool as set forth in claim 10 further comprising:

computer code for analyzing said information and each said current choice and for storing data indicative of said analyzing such that later iterations of providing at least one refined option choice account for said data indicative of analyzing.

13. The tool as set forth in claim 10 wherein said computer code for highlighting is a graphical display highlighting at least one currently available choice of a plurality of currently available choices wherein said highlighting is indicative of a suggestion that said at least one currently available choice is more likely to achieve the goal node of said navigating.

14. The tool as set forth in claim 10 wherein said computer code for highlighting is a graphical display providing probability data for a plurality of currently available choices, said graphical display relating probability of each of said currently available choices toward achieving the goal node of said navigating.

15. The tool as set forth in claim 10 wherein said computer code for classifying said starter data set and predicting at least one option most likely to advance navigation to a probabilistically correct target goal node of said large plurality of

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nodes further comprises:

computer code for predicting at least one target goal node of said structure wherein said target goal node is a node being a sub-node one or more levels below other said currently available choices.

5   16. The tool as set forth in claim 10 in a computer memory device.

17. A process for navigating through an organizational structure having a plurality of levels and nodes, the method comprising:

receiving targeting data related to said organizational structure;

applying a classifier to said targeting data;

10   presenting a plurality of choices of nodes wherein said choices are representative of results of said classifier categorizing said targeting data with respect to said organizational structure and wherein said plurality of choices includes at least a subset of said plurality of choices indicating probable solutions to said targeting data;

15   receiving a selection from said plurality of choices;

iteratively applying the classifier to said targeting data and each said selection until a user target node is reached.

18.   The process as set forth in claim 17 comprising:

receiving descriptions of a plurality of organizational structures, and

20   determining which organizational structure of said plurality is appropriate for

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use in said process by comparing said targeting data to said descriptions.

19. The process as set forth in claim 17 wherein presenting a plurality of choices of nodes comprises:

presenting a plurality of currently available next choices according to the next level of the organizational structure.

20. The process as set forth in claim 17 wherein presenting a plurality of choices of nodes comprises:

presenting a plurality of currently available next choices according to the next level of the organizational structure and a plurality of highly likely choices of potential user target nodes that lie below the said next choices.

21. The process as set forth in claim 17 wherein said presenting a plurality of choices of nodes comprises:

presenting only said subset.

22. The process as set forth in claim 17 further comprising:

for each said iteration, analyzing said targeting data and each said current choice and storing data indicative of said analyzing such that later iterations of presenting present only said subset accounting for said data indicative of analyzing.

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23.   The process as set forth in claim 17 wherein said presenting a plurality of choices of nodes further comprises:

displaying a graphical display highlighting at least one currently available choice of a plurality of currently available choices wherein said highlighting is indicative of highest probability of said at least one currently available choice being most likely to achieve the user target node of the structure.

24.   The process as set forth in claim 17 wherein said presenting a plurality of choices of nodes further comprises:

displaying a graphical display providing probability data for a plurality of currently available choices, said graphical display relating probability of each of said currently available choices likelihood toward achieving the user target node of said structure.

25.   A method of determining a goal node in an organizational structure having a plurality of nodes, the method comprising:

via a classifier, comparing first data indicative of a user goal node to second data indicative of given organizational structures;

selecting at least one of said structures and a plurality of nodes therein;

providing feedback data indicative of likely nodes related to said goal node such that at least one of said nodes is a target node predicted to be said goal node from a probabilistic analysis during said comparing, and wherein said feedback data allows selection between said likely nodes and said target node.

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26.   The method as set forth in claim 25 further comprising:

if said target node is selected, ending said comparing, and

if said target node is not selected and one of said likely nodes is selected,

re-comparing said first data with said one of said likely nodes that is selected, and

providing further feedback data indicating of likely subsidiary nodes to said likely

node that is selected such that at least one of said likely subsidiary nodes is a

target node predicted to be said goal node from a probabilistic analysis during said

re-comparing, and wherein said feedback data allows selection between said likely

subsidiary nodes and said target node.

27.   A method of doing business, the method comprising:

receiving from a remote user targeting data related to at least one

organizational structure having a plurality of levels and nodes;

applying a classifier to said targeting data;

presenting a plurality of choices of nodes to the remote user wherein said

choices are representative of results of said classifier categorizing said targeting

data with respect to said organizational structure and wherein said plurality of

choices includes at least a subset of said plurality of choices indicating probable

solutions to said targeting data;

receiving from said remote user at least one selection from said plurality of

choices;

iteratively applying the classifier to said targeting data and each said

selection until a user target node is selected by the remote user.

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